

IV. *Descriptions of four Species of Cypripedium, by Richard Anthony Salisbury, Esq. F. R. S. Fellow of the Linnean Society.*

Read October 7, 1788.

CYPRIPEDIORUM aliquorum icones necnon descriptiones Societati Linneanæ oblaturus, characterem essentialem hujus generis minime labio inferiori corollæ calceiformi, potius autem structura genitalium constare, quæ in omnibus orchideis distinguendis maximè valent, præmittere vellem.

CYPRIPEDIUM CALCEOLUS. t. 2. f. 1.

Cypripedium Calceolus. Linn. Sp. Pl. p. 1340. Calceolus, &c. Hall. Hist. Helv. v. 2. n. 1300. t. 42. Calceolus marianus. Dod. Pempt. p. 180. p. 1, 2.

Corolla labio superiore ovali concavo subtus carinâ late canaliculata, inferiore petalis brevior compresso.

Sponte nascentem in *Ostro-Bothniæ* fylvis abunde legit C. Linné—prope *Bern* declivibus montium umbrosis legit A. Haller—in Monte *Saleve* legit J. Ray—in *Pedemontii* fylvis legit C. Allioni.

Floret fine Maii, Junio.

Planta 8-10 pollicaris. Radix fusca, horizontalis, tuberosa—Fibræ crassæ, fasciculatæ—carnosa, perennis. Caulis viridis, erectus, simplex, teres, articulatus, hirto-pubescent, solidus, herbaceus, marcescens.

cescens. Folia 5 vel 6, viridia, alterna, sessilia, basi amplexicaulia, patienti-recurva, lanceolata, integerrima, obtuse acuminulata—Nervi paralleli, longitudinales, supra depressi—hirsuto-pubescentia præcipue subtus, paululum undulata, herbacea, marcescentia. Flores nutantes, solitarii, rarius duo. Pedunculus foliis brevior, e caule continuatus, structura omnino similis. Bractea solitaria sub germine, structura foliorum sed minor, magisque ovato-lanceolata. Germen viride, incurvulum, anguste pyriforme, 6-angulum, hirsuto-pubescentia. Petala saturate fusca: supremum erectum, infimum æquale, dependens; ovato-lanceolata: lateralia multo angustiora, parum longiora, patienti-deflexa, lineari-attenuata, basi intus barbata: integerrima, obtusa, tenuissime hirsuto-pubescentia præsertim extus, tortuosa—Labium superius flavum maculis fuscis, ultra lobos laterales styli insertum, ellipticum, integerrimum, obtusum, utrinque læve, supra concavum, subtus carinâ late canaliculatâ. Labium inferius flavum, petalis brevius, calceiforme, compressum, ore suborbiculare, extus læve, intus basi barbaturum lineis macularum fuscis. Stylus flavus, lævis—Lobi; laterales apice incurvuli, anguste cuneiformes, obtusi; medius oblongus, basi latior, medio angustatus, obtusus. Antheræ flavæ, paulo infra apicem loborum quibus multo latiores, orbiculares, biloculares. Pollen flavum. Stigma pallide flavum, basi triangulo umbilicatum, minute papillosum.

a Labium superius.

d Styli lobus terminalis.

b ——— inferius.

e Antheræ.

c Styli lobi laterales.

Iisdem literis in omnibus tabulis notantur eadem partes.

CYPRIPEDIUM PARVIFLORUM. t. 2. f. 2.

Helleborine Calceolus dicta, mariana, caule folioso, flore luteo minore. *Plukn. Mantiss. p. 101. t. 418. f. 2. pessima.*

Corolla

Corolla labio superiore sagittæformi basi deflexo subtus carinâ anguste canaliculatâ, inferiore petalis brevioribus compressis.

Sponte nascentem in *Virginia* legit H. Marshall.

Floret fine Maii.

Petala fordide viridia lineis macularum ferruginearum: supremum erectum; infimum paulo brevius, dependens; ovato-lanceolata: lateralia multo angustiora, 1-4ta parte longiora, patenti-deflexa, lineari-attenuata, basi intus barbata: integerrima, obtusa, tenuissime hirto-pubescentia præsertim extus, tortuosa—Labium superius flavum maculis fuscis lobos laterales styli obducens basi deflexum, late sagittæforme, integerrimum, obtusum, utrinque læve, supra versus apicem concavum, subtus carinâ anguste canaliculatâ—Labium inferius flavum maculis fuscis circa apicem, petalis brevioribus, calceiforme, compressum, ore suborbiculare, extus læve, intus basi barbatum. Stylus flavus—Lobi; laterales apice ipso levissime incurvuli, anguste cuneiformes, obtusi; medius semi-ellipticus, obtusus—lævis. Antheræ flavæ, infra apicem loborum quibus multo latiores, orbiculares, biloculares. Pollen flavum. Stigma flavum, basi triangulo umbilicatum, minute papillosum.

Herbâ gaudet præcedentis, sed Folia remotiora et ovalia.

CYPRIPEDIUM SPECTABILE*. t. 3. f. 3.

Helleborine flore majore purpureo, &c. *Morif. Hist. v. 3. p. 488. f. 12. t. 11. f. 17. pessima.* Helleborine Calceolus dicta, mariana, flore gemello candido, venis purpureis striato. *Plukn. Mantiss. p. 101. t. 418. f. 3. pessima.*

Corolla labio superiore ovali basi retuso concavo subtus carinâ obtusâ, inferiore petalis longioribus grossis.

Sponte nascentem in *Pensylvaniæ* sylvis legit I. Bartram.

Floret fine Maii, Junio.

* C. album. *Aiton Hort. Kew. V. 3. 303.*

Planta pedalis, vel plus. Radix congenerum. Caulis pallide viridis, erectus, simplex, teres, articulatus, hirsutus, foliatus, herbaceus, marcescens. Folia 6 vel 7, pallide viridia, alterna, sessilia, basi amplexicaulia, patenti-recurva, ovali-lanceolata, integerrima, obtuse acuminulata—Nervi paralleli, longitudinales, supra depressi—hirsuta præsertim subtus, paululum undulata, herbacea, marcescentia. Flores, Bractea, Pedunculus, Germenque ut in *Cypripedio Calceolo*. Petala alba: supremum erectum; infimum paulo brevius, dependens; ovalia: lateralia longitudine supremi, multo angustiora, linearilanceolata, basi intus barbata: integerrima, obtusa, hirsuto-pubescentia præsertim extus, plana—Labium superius album maculis rubris, lobos laterales obducens, ovale, basi retusum, integerrimum obtusum, utrinque læve, supra concaviusculum, subtus carina obtusa—Labium inferius pallide roseum vittis saturatioribus, petalis longis, grosse calceiforme, ore transverse ovale, extus læve, intus basi barbaturum lineis macularum rubrarum. Stylus albus—Lobi; laterales recurvi, falcati, obtusi; medius suborbicularis, obtusissimus, lævis. Antheræ dilute flavæ, ovales, vix infra apicem loborum quibus parum latiores. Pollen flavum. Stigma dilute flavum, basi triangulo umbilicatum, minute papillosum.

CYPRIPEDIUM HUMILE*. t. 3. f. 4.

Calceolus flore maximo rubente, &c. *Catesb. Hist. Car. Append. p. 3. t. 3. mediocris*. Helleborine Calceolus dicta, mariana, foliis binis e radice ex adverso prodeuntibus, &c. *Plukn. Mantiss. p. 101. t. 418. f. 1. pessima*.

Corolla labio superiore rhomboideo acuminato lateribus deflexo subtus carina angustissima obtusa, inferiore petalis longiore antice fisso.

Sponte nascentem in *Novâ-Scotiâ* legit A. Menzies.

Floret fine Maii, Junio.

* *C. acaule*. *Aiton Hort. Kew. V. 3. 303.*

Planta 6-8 pollicaris. Radix congenerum. Folia duo, viridia, radicalia, opposita, patentia, lanceolata, integerrima, obtusa—Nervi paralleli, longitudinales, supra depressi—utrinque hirto-pubescentia, planiuscula herbacea, marcescentia. Flores nutantes, solitarii. Pedunculus viridis, foliis sæpe longior, erectus, simplex, teres, hirto-pubescentia, solidus, herbaceus, marcescens. Bractea solitaria sub germine, structura foliorum sed longe minor et ovato-lanceolata. Germen viride, breve incurvum, obsolete pyriforme 6-angulum, hirto-pubescentia. Petala pallide fusca: supremum erectum; inferum æquale, dependens; ovato-lanceolata: lateralia angustiora pauloque longiora, patenti-deflexa, lineari-attenuata, latere inferiore basi paululum auriculata, inferne intus barbata: integerrima, obtusa, utrinque hirto-pubescentia, tortuosa—Labium superius pallide fuscum, ultra lobos laterales styli insertum, lateribus deflexum, versus apicem paululum incurvum, rhomboideum, acuminatum, utrinque hirto-pubescentia, subtus carina angustissima obtusa—Labium inferius purpureum vittis saturatioribus, petalis longis; basi recte deflexum, intus barbatum; dein exprorectum, grosse calceiforme, ore antice fissum, utrinque hirto-pubescentia. Stylus flavus—Lobi; laterales apice ipso lævissime incurvuli, anguste cuneiformes, obtusi; medius late cuneiformis basi angustiore, obtusus—hirto-pubescentia. Antheræ flavæ, lobis multo latiores, orbiculares, 2-loculares. Pollen flavum. Stigma dilute flavum, basi longe attenuatum, triangulo umbilicatum, papillosum.